



Attorney Docket No.: P-2507-US2

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): YEDGAR, Saul et al. Examiner: O'Sullivan, Peter G.
Serial No.: 10/790,182 Group Art Unit: 1621
Filed: March 2, 2004
Title: USE OF LIPID CONJUGATES IN THE TREATMENT OF DISEASE

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
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Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, this Information Disclosure Statement includes Form PTO-1449:

1. ☐ listing documents including patents, publications and other information for consideration by the Examiner, however, since the subject application was filed after June 30, 2003, copies of United States patents and/or United States patent application publications are not included in this information disclosure statement; and/or
2. ☒ listing documents including patents, publications and other information that have been previously cited or submitted to the Patent Office in prior application U.S. Serial No. 10/627.981, filed July 28, 2003 which is properly identified and relied on for an earlier effective filing date under 35 U.S.C. 120 for consideration by the Examiner; however, in accordance with 37 C.F.R. 1.98(d), copies of such documents are not included in this information disclosure statement; and/or
3. ☐ listing documents including patents, publications, and other information for consideration by the Examiner, copies of which are included with this information disclosure statement;
4. ☐ listing other information for the Examiner's consideration which was cited in a communication from a foreign patent office in a counterpart foreign application, a copy of which is included with this information disclosure statement.

The information herein cited is only in fulfillment of Applicant(s) duty of candor in disclosing all information brought to Applicant(s) attention. This submission does not represent that a search

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has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art". If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicant(s) reserve the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicant(s) further reserve(s) the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

In accordance with MPEP Sections 609 and 707.05(b), it is requested that each and every document cited (including any cited in applicant's specification which is not repeated on the attached Form PTO-1449) be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing on Form PTO-1449. Such initialing is requested even if the Examiner does not consider it to be prior art for any reason, or even if the Examiner does not believe that the guidelines for citation have been fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application and is evidence that the Examiner has considered the document.

This Information Disclosure Statement is being filed:

- I) ☐ Within three (3) months of filing the subject Application or entry of the subject Application into the national stage or before mailing of the first Office Action on the merits of the subject Application or a request for continued examination thereof, whichever event occurs last pursuant to of 37 C.F.R §1.97 (b); or
- II) ☒ After the period specified in (I) but before the mailing date of either a final Official Action under 37 C.F.R §1.113 or a notice of allowance under 37 C.F.R §1.311 whichever occurs first and;

1. ☐ the undersigned hereby states that each item of information listed on the Form PTO-1449 was either (i) cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of this Information Disclosure Statement or (ii) not cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, not known to any individual designated in §1.56(c) more than three (3) months prior to the filing of this information disclosure statement; or

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2. ☒ the undersigned hereby authorizes the Patent Office to charge the fee in the amount of \$180.00 under 37 C.F.R §1.17 (p) to Deposit Account 50-3355.

III) ☐ After the period in (I) and (II) but before the payment of the issue fee and,

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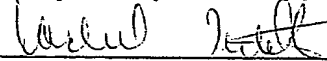
a) ☐ that each item of information cited on the form PTO-1449 was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three (3) months prior to the filing of this Information Disclosure Statement; or

b) ☐ that no items of information contained in Form PTO-1449 was cited in a communication from a foreign patent office in a counterpart foreign application, and to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement; and

2. ☐ The undersigned hereby authorizes the Patent Office to charge the Petition fee in the Amount of \$180.00 under 37 C.F.R §1.17 (p) to Deposit Account 50-3355.

Except for issue fees payable under 37 C.F.R. §1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this application including fees due under 37 C.F.R. §§1.16 and 1.17 which may be required, including any required extension of time fees, or credit any overpayment to Deposit Account No. 50-3355.

Respectfully submitted,

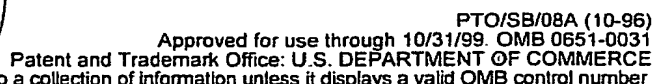


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Dated: September 29, 2005

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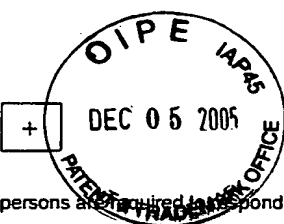
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10790,182
				Filing Date	March 2, 2004
				First Named Inventor	YEDGAR, Saul
				Group Art Unit	1621
(use as many sheets as necessary)				Examiner Name	O'Sullivan, Peter G.
Sheet	2	of	3	Attorney Docket Number	P-2507-US2

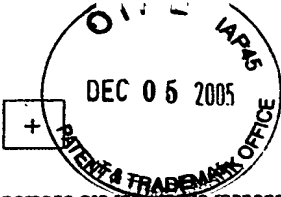
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	N	ALBINI, A, IWAMOTO, Y, KLEINMAN, HK, MARTIN, GR, AARONSON, SA, KOZLOWSKI, JM AND MCEWAN, RN (1987) "A rapid in vitro assay for quantitating the invasive potential of tumor cells" <u>Cancer Res</u> 47(12):3239-45			<input type="checkbox"/>
	O	BALSINDE, J, BALBOA, MA, YEDGAR, S AND DENNIS, EA (2000) "Group V phospholipase A(2)-mediated oleic acid mobilization in lipopolysaccharide-stimulated P388D(1) macrophages" <u>J Biol Chem</u> 275(7):4783-6			<input type="checkbox"/>
	P	BECK, G, YARD, BA, SCHULTE, J, OBERACKER, R, VAN ACKERN, K, VAN DER WOUDE, FJ, KRIMSKY, M, KASZKIN, M AND YEDGAR, S (2002) "Inhibition of LPS-induced chemokine production in human lung endothelial cells by lipid conjugates anchored to the membrane" <u>Br J Pharmacol</u> 135(7):1665-74.			<input type="checkbox"/>
	Q	CABANAS, C AND HOGG, N (1993) "Ligand intercellular adhesion molecule 1 has a necessary role in activation of integrin lymphocyte function-associated molecule 1" <u>Proc Natl Acad Sci U S A</u> 90(12):5838-42.			<input type="checkbox"/>
	R	CHEN, WM, SORIA, J, SORIA, C, KRIMSKY, M AND YEDGAR, S (2002) "Control of capillary formation by membrane-anchored extracellular inhibitor of phospholipase A(2)" <u>FEBS Lett</u> 522(1-3):113-8			<input type="checkbox"/>
	S	DAN, P, DAGAN, A, KRIMSKY, M, PRUZANSKI, W, VADAS, P AND YEDGAR, S (1998) "Inhibition of type I and type II phospholipase A2 by phosphatidyl-ethanolamine linked to polymeric carriers" <u>Biochemistry</u> 37(17):6199-204			<input type="checkbox"/>
	T	GREAVES MW AND CAMP RD (1988) "Prostaglandins, leukotrienes, phospholipase, platelet activating factor, and cytokines: an integrated approach to inflammation of human skin" <u>Arch Dermatol Res</u> 280:S33-41			<input type="checkbox"/>
	U	KRIMSKY, M, DAGAN, A, APTEKAR, L, LIGUMSKY, M AND YEDGAR, S (2000) "Assessment of intestinal permeability in rats by permeation of inulin-fluorescein" <u>J Basic Clin Physiol Pharmacol</u> 11(2):143-53			<input type="checkbox"/>
	V	KRIMSKY, M, YEDGAR, S, APTEKAR, L, SCHWOB, O, GOSHEN, G, GRUZMAN, A, SASSON, S AND LIGUMSKY, M (2003) "Amelioration of TNBS-induced colon inflammation in rats by phospholipase A2 inhibitor" <u>Am J Physiol Gastrointest Liver Physiol</u> 285(3):G586-92			<input type="checkbox"/>
	W	MARGOLIS-NUNNO, H, BEN-HUR, E, GOTTLIEB, P, ROBINSON, R, OET-JEN, J AND HOROWITZ, B (1996) "Inactivation by phthalocyanine photosensitization of multiple forms of human immunodeficiency virus in red cell concentrates" <u>Transfusion</u> 36(8):743-50.			<input type="checkbox"/>
	X	MURTHY, SN, COOPER, HS, SHIM, H, SHAH, RS, IBRAHIM, SA AND SEDERGRAN, DJ (1993) "Treatment of dextran sulfate sodium-induced murine colitis by intracolonic cyclosporin" <u>Dig Dis Sci</u> 38(9):1722-34			<input type="checkbox"/>
	Y	OKAYASU, I, HATAKEYAMA, S, YAMADA, M, OHKUSA, T, INAGAKI, Y AND NAKAYA, R (1990) "A novel method in the induction of reliable experimental acute and chronic ulcerative colitis in mice" <u>Gastroenterology</u> 98(3):694-702			<input type="checkbox"/>

Examiner Signature		Date Considered	
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(use as many sheets as necessary)		Examiner Name	O'Sullivan, Peter G
Sheet	3 of 3	Attorney Docket Number	P-2507-US2

Examiner Signature	Date Considered
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	Z	SCHMIEL, DH AND MILLER, VL (1999) "Bacterial phospholipases and pathogenesis" <u>Microbes Infect</u> 1(13):1103-12	<input type="checkbox"/>
	AA	SCHNITZER, E. DAGAN, A, KRIMSKY, M, LICHTENBERG, D, PINCHUK, I, SHINAR, H AND YEDGAR, S (2000) "Interaction of hyaluronic acid-linked phosphatidylethanolamine (HyPE) with LDL and its effect on the susceptibility of LDL lipids to oxidation" <u>Chem Phys Lipids</u> 104(2):149-60	<input type="checkbox"/>
	BB	SCHNITZER, E. PINCHUK, I. FAINARU, M, LICHTENBERG, D AND YEDGAR, S (1998) "LDL-associated phospholipase A does not protect LDL against lipid peroxidation in vitro" <u>Free Radic Biol Med</u> 24(7-8):1294-303	<input type="checkbox"/>
	CC	SCHNITZER, E, YEDGAR, S, DANINO, D, TALMON, Y AND LICHTENBERG, D (1999) "The Interaction of hyaluronic-phosphatidylethanolamine with low density lipoprotein (LDL) and its effect on copper induced LDL oxidation" <u>Biophysical Journal</u> 76(1): Part 2	<input type="checkbox"/>
	DD	YARD, BA, YEDGAR, S, SCHEELE, M, VAN DER WOUDE, D, BECK, G, HEIDRICH, B, KRIMSKY, M, VAN DER WOUDE, FJ AND POST, S (2002) "Modulation of IFN-gamma-induced immunogenicity by phosphatidylethanolamine-linked hyaluronic acid" <u>Transplantation</u> 73(6):984-92	<input type="checkbox"/>
	EE	YEDGAR, S, LICHTENBERG, D AND SCHNITZER, E (2000) "Inhibition of phospholipase A(2) as a therapeutic target" <u>Biochim Biophys Acta</u> 1488(1-2):182-7	<input type="checkbox"/>
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